

# Opteon™ XL41 Pressure-Temperature Data (Eng)

Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)	Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)	Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)	Pressure (psig)	Sat Liq T (°F)	Sat Vap T (°F)
-2	-64.1	-62.3	54	6.7	8.9	110	39.1	41.4	166	61.7	64.1
-1	-61.4	-59.6	55	7.5	9.7	111	39.6	41.9	167	62.1	64.5
0	-58.9	-57.1	56	8.2	10.4	112	40.0	42.4	168	62.4	64.8
1	-56.5	-54.7	57	8.9	11.1	113	40.5	42.8	169	62.8	65.2
2	-54.3	-52.4	58	9.6	11.8	114	40.9	43.3	170	63.1	65.5
3	-52.1	-50.3	59	10.3	12.5	115	41.4	43.7	171	63.5	65.9
4	-50.0	-48.2	60	11.0	13.2	116	41.8	44.2	172	63.8	66.2
5	-48.1	-46.2	61	11.7	13.9	117	42.3	44.6	173	64.2	66.6
6	-46.2	-44.3	62	12.4	14.6	118	42.7	45.1	174	64.5	66.9
7	-44.3	-42.4	63	13.0	15.3	119	43.2	45.5	175	64.9	67.3
8	-42.6	-40.7	64	13.7	15.9	120	43.6	46.0	176	65.2	67.6
9	-40.9	-39.0	65	14.4	16.6	121	44.1	46.4	177	65.5	67.9
10	-39.2	-37.3	66	15.0	17.3	122	44.5	46.9	178	65.9	68.3
11	-37.6	-35.7	67	15.7	17.9	123	44.9	47.3	179	66.2	68.6
12	-36.1	-34.1	68	16.3	18.6	124	45.4	47.7	180	66.6	69.0
13	-34.6	-32.6	69	16.9	19.2	125	45.8	48.2	181	66.9	69.3
14	-33.1	-31.2	70	17.6	19.8	126	46.2	48.6	182	67.2	69.6
15	-31.7	-29.7	71	18.2	20.5	127	46.7	49.0	183	67.6	70.0
16	-30.3	-28.3	72	18.8	21.1	128	47.1	49.4	184	67.9	70.3
17	-29.0	-27.0	73	19.4	21.7	129	47.5	49.9	185	68.2	70.6
18	-27.7	-25.7	74	20.0	22.3	130	47.9	50.3	186	68.5	70.9
19	-26.4	-24.4	75	20.6	22.9	131	48.3	50.7	187	68.9	71.3
20	-25.1	-23.1	76	21.2	23.5	132	48.8	51.1	188	69.2	71.6
21	-23.9	-21.9	77	21.8	24.1	133	49.2	51.5	189	69.5	71.9
22	-22.7	-20.7	78	22.4	24.7	134	49.6	51.9	190	69.8	72.2
23	-21.5	-19.5	79	23.0	25.3	135	50.0	52.4	191	70.2	72.6
24	-20.4	-18.3	80	23.6	25.9	136	50.4	52.8	192	70.5	72.9
25	-19.2	-17.2	81	24.1	26.4	137	50.8	53.2	193	70.8	73.2
26	-18.1	-16.1	82	24.7	27.0	138	51.2	53.6	194	71.1	73.5
27	-17.0	-15.0	83	25.3	27.6	139	51.6	54.0	195	71.4	73.8
28	-16.0	-13.9	84	25.8	28.1	140	52.0	54.4	196	71.8	74.2
29	-14.9	-12.8	85	26.4	28.7	141	52.4	54.8	197	72.1	74.5
30	-13.9	-11.8	86	26.9	29.2	142	52.8	55.2	198	72.4	74.8
31	-12.9	-10.8	87	27.5	29.8	143	53.2	55.6	199	72.7	75.1
32	-11.9	-9.8	88	28.0	30.3	144	53.6	56.0	200	73.0	75.4
33	-10.9	-8.8	89	28.6	30.9	145	54.0	56.3	201	73.3	75.7
34	-9.9	-7.8	90	29.1	31.4	146	54.3	56.7	202	73.6	76.0
35	-9.0	-6.9	91	29.6	31.9	147	54.7	57.1	203	73.9	76.3
36	-8.0	-5.9	92	30.2	32.5	148	55.1	57.5	204	74.2	76.6
37	-7.1	-5.0	93	30.7	33.0	149	55.5	57.9	205	74.5	76.9
38	-6.2	-4.1	94	31.2	33.5	150	55.9	58.3	206	74.9	77.3
39	-5.3	-3.2	95	31.7	34.0	151	56.3	58.6	207	75.2	77.6
40	-4.4	-2.3	96	32.2	34.6	152	56.6	59.0	208	75.5	77.9
41	-3.6	-1.4	97	32.8	35.1	153	57.0	59.4	209	75.8	78.2
42	-2.7	-0.6	98	33.3	35.6	154	57.4	59.8	210	76.1	78.5
43	-1.9	0.3	99	33.8	36.1	155	57.8	60.1	211	76.4	78.8
44	-1.0	1.1	100	34.3	36.6	156	58.1	60.5	212	76.7	79.1
45	-0.2	1.9	101	34.8	37.1	157	58.5	60.9	213	77.0	79.4
46	0.6	2.8	102	35.3	37.6	158	58.9	61.3	214	77.3	79.7
47	1.4	3.6	103	35.7	38.1	159	59.2	61.6	215	77.6	80.0
48	2.2	4.4	104	36.2	38.6	160	59.6	62.0	216	77.9	80.2
49	3.0	5.1	105	36.7	39.0	161	59.9	62.3	217	78.1	80.5
50	3.7	5.9	106	37.2	39.5	162	60.3	62.7	218	78.4	80.8
51	4.5	6.7	107	37.7	40.0	163	60.7	63.1	219	78.7	81.1
52	5.3	7.4	108	38.1	40.5	164	61.0	63.4	220	79.0	81.4
53	6.0	8.2	109	38.6	41.0	165	61.4	63.8	221	79.3	81.7



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222	79.6	82.0	278	94.5	96.9	334	107.5	109.7	390	118.9	121.1
223	79.9	82.3	279	94.8	97.1	335	107.7	110.0	391	119.1	121.3
224	80.2	82.6	280	95.0	97.4	336	107.9	110.2	392	119.3	121.5
225	80.5	82.9	281	95.3	97.6	337	108.1	110.4	393	119.5	121.7
226	80.8	83.1	282	95.5	97.9	338	108.3	110.6	394	119.7	121.9
227	81.0	83.4	283	95.8	98.1	339	108.5	110.8	395	119.9	122.0
228	81.3	83.7	284	96.0	98.4	340	108.8	111.0	396	120.1	122.2
229	81.6	84.0	285	96.2	98.6	341	109.0	111.2	397	120.3	122.4
230	81.9	84.3	286	96.5	98.8	342	109.2	111.5	398	120.5	122.6
231	82.2	84.6	287	96.7	99.1	343	109.4	111.7	399	120.6	122.8
232	82.4	84.8	288	97.0	99.3	344	109.6	111.9	400	120.8	123.0
233	82.7	85.1	289	97.2	99.6	345	109.8	112.1			
234	83.0	85.4	290	97.5	99.8	346	110.0	112.3			
235	83.3	85.7	291	97.7	100.0	347	110.2	112.5			
236	83.6	86.0	292	97.9	100.3	348	110.5	112.7			
237	83.8	86.2	293	98.2	100.5	349	110.7	112.9			
238	84.1	86.5	294	98.4	100.7	350	110.9	113.1			
239	84.4	86.8	295	98.6	101.0	351	111.1	113.3			
240	84.7	87.1	296	98.9	101.2	352	111.3	113.5			
241	84.9	87.3	297	99.1	101.5	353	111.5	113.7			
242	85.2	87.6	298	99.4	101.7	354	111.7	114.0			
243	85.5	87.9	299	99.6	101.9	355	111.9	114.2			
244	85.8	88.1	300	99.8	102.2	356	112.1	114.4			
245	86.0	88.4	301	100.1	102.4	357	112.3	114.6			
246	86.3	88.7	302	100.3	102.6	358	112.5	114.8			
247	86.6	88.9	303	100.5	102.8	359	112.7	115.0			
248	86.8	89.2	304	100.8	103.1	360	112.9	115.2			
249	87.1	89.5	305	101.0	103.3	361	113.1	115.4			
250	87.4	89.7	306	101.2	103.5	362	113.4	115.6			
251	87.6	90.0	307	101.4	103.8	363	113.6	115.8			
252	87.9	90.3	308	101.7	104.0	364	113.8	116.0			
253	88.2	90.5	309	101.9	104.2	365	114.0	116.2			
254	88.4	90.8	310	102.1	104.4	366	114.2	116.4			
255	88.7	91.1	311	102.4	104.7	367	114.4	116.6			
256	88.9	91.3	312	102.6	104.9	368	114.6	116.8			
257	89.2	91.6	313	102.8	105.1	369	114.8	117.0			
258	89.5	91.8	314	103.0	105.4	370	115.0	117.2			
259	89.7	92.1	315	103.3	105.6	371	115.2	117.4			
260	90.0	92.4	316	103.5	105.8	372	115.4	117.6			
261	90.2	92.6	317	103.7	106.0	373	115.6	117.8			
262	90.5	92.9	318	103.9	106.2	374	115.8	118.0			
263	90.8	93.1	319	104.2	106.5	375	116.0	118.2			
264	91.0	93.4	320	104.4	106.7	376	116.2	118.4			
265	91.3	93.6	321	104.6	106.9	377	116.4	118.6			
266	91.5	93.9	322	104.8	107.1	378	116.6	118.8			
267	91.8	94.1	323	105.1	107.4	379	116.8	119.0			
268	92.0	94.4	324	105.3	107.6	380	117.0	119.2			
269	92.3	94.7	325	105.5	107.8	381	117.2	119.4			
270	92.5	94.9	326	105.7	108.0	382	117.4	119.6			
271	92.8	95.2	327	105.9	108.2	383	117.6	119.7			
272	93.0	95.4	328	106.2	108.5	384	117.7	119.9			
273	93.3	95.7	329	106.4	108.7	385	117.9	120.1			
274	93.5	95.9	330	106.6	108.9	386	118.1	120.3			
275	93.8	96.2	331	106.8	109.1	387	118.3	120.5			
276	94.0	96.4	332	107.0	109.3	388	118.5	120.7			
277	94.3	96.6	333	107.3	109.5	389	118.7	120.9			

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-40	9.5	8.4	16	67.5	64.1	72	196.8	189.3	128	439.1	427.4
-39	10.1	9.0	17	69.1	65.6	73	200.0	192.4	129	444.8	433.0
-38	10.8	9.6	18	70.7	67.1	74	203.2	195.5	130	450.5	438.7
-37	11.4	10.2	19	72.3	68.7	75	206.5	198.7	131	456.3	444.5
-36	12.1	10.8	20	73.9	70.3	76	209.8	201.9	132	462.1	450.3
-35	12.7	11.4	21	75.6	71.9	77	213.1	205.2	133	468.0	456.1
-34	13.4	12.1	22	77.3	73.5	78	216.5	208.5	134	473.9	462.0
-33	14.1	12.8	23	79.0	75.2	79	219.9	211.8	135	479.9	468.0
-32	14.8	13.4	24	80.7	76.8	80	223.4	215.2	136	485.9	474.1
-31	15.5	14.1	25	82.5	78.5	81	226.9	218.6	137	492.1	480.2
-30	16.2	14.8	26	84.3	80.3	82	230.4	222.0	138	498.2	486.3
-29	17.0	15.5	27	86.1	82.0	83	234.0	225.5	139	504.4	492.6
-28	17.7	16.3	28	87.9	83.8	84	237.6	229.0	140	510.7	498.8
-27	18.5	17.0	29	89.8	85.6	85	241.2	232.6	141	517.1	505.2
-26	19.3	17.7	30	91.7	87.4	86	244.9	236.2	142	523.5	511.6
-25	20.1	18.5	31	93.6	89.2	87	248.6	239.8	143	529.9	518.1
-24	20.9	19.3	32	95.5	91.1	88	252.4	243.5	144	536.4	524.7
-23	21.7	20.1	33	97.5	93.0	89	256.2	247.2	145	543.0	531.3
-22	22.6	20.9	34	99.5	94.9	90	260.1	251.0	146	549.7	538.0
-21	23.4	21.7	35	101.5	96.9	91	263.9	254.8	147	556.4	544.7
-20	24.3	22.6	36	103.5	98.8	92	267.9	258.6	148	563.1	551.5
-19	25.2	23.4	37	105.6	100.8	93	271.8	262.5	149	569.9	558.4
-18	26.1	24.3	38	107.7	102.9	94	275.8	266.4	150	576.8	565.4
-17	27.0	25.2	39	109.8	104.9	95	279.9	270.4	151	583.8	572.4
-16	28.0	26.1	40	112.0	107.0	96	284.0	274.4	152	590.8	579.6
-15	28.9	27.0	41	114.2	109.1	97	288.1	278.5	153	597.9	586.7
-14	29.9	27.9	42	116.4	111.2	98	292.3	282.5	154	605.0	594.0
-13	30.9	28.8	43	118.6	113.4	99	296.5	286.7	155	612.3	601.4
-12	31.9	29.8	44	120.9	115.6	100	300.8	290.9	156	619.5	608.8
-11	32.9	30.8	45	123.1	117.8	101	305.1	295.1	157	626.9	616.3
-10	33.9	31.8	46	125.5	120.0	102	309.4	299.4	158	634.3	623.9
-9	35.0	32.8	47	127.8	122.3	103	313.8	303.7	159	641.8	631.6
-8	36.1	33.8	48	130.2	124.6	104	318.3	308.0	160	649.3	639.3
-7	37.1	34.9	49	132.6	127.0	105	322.8	312.5	161	657.0	647.2
-6	38.2	35.9	50	135.0	129.3	106	327.3	316.9	162	664.7	655.2
-5	39.4	37.0	51	137.5	131.7	107	331.9	321.4	163	672.4	663.2
-4	40.5	38.1	52	140.0	134.1	108	336.5	326.0	164	680.3	671.4
-3	41.7	39.2	53	142.6	136.6	109	341.2	330.6	165	688.2	679.7
-2	42.9	40.4	54	145.1	139.1	110	345.9	335.2	166	696.2	688.1
-1	44.1	41.5	55	147.7	141.6	111	350.6	339.9	167	704.3	696.6
0	45.3	42.7	56	150.3	144.1	112	355.5	344.6	168	712.4	705.2
1	46.5	43.9	57	153.0	146.7	113	360.3	349.4	169	720.6	714.1
2	47.8	45.1	58	155.7	149.3	114	365.2	354.3	170	728.9	723.1
3	49.0	46.3	59	158.4	152.0	115	370.2	359.1			
4	50.3	47.6	60	161.1	154.6	116	375.2	364.1			
5	51.7	48.8	61	163.9	157.3	117	380.2	369.1			
6	53.0	50.1	62	166.7	160.1	118	385.3	374.1			
7	54.3	51.4	63	169.6	162.8	119	390.5	379.2			
8	55.7	52.7	64	172.5	165.6	120	395.7	384.3			
9	57.1	54.1	65	175.4	168.5	121	400.9	389.5			
10	58.5	55.4	66	178.4	171.3	122	406.2	394.8			
11	60.0	56.8	67	181.3	174.2	123	411.6	400.1			
12	61.4	58.2	68	184.4	177.2	124	417.0	405.4			
13	62.9	59.7	69	187.4	180.1	125	422.4	410.8			
14	64.4	61.1	70	190.5	183.1	126	427.9	416.3			
15	66.0	62.6	71	193.6	186.2	127	433.5	421.8			

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